

## 32-13481: TPT1 Mouse

**Alternative Name :** Translationally-controlled tumor protein, TCTP, 21 kDa polypeptide, p21, p23.

### Description

Source: Escherichia Coli.

Sterile Filtered colorless solution.

TPT1 takes part in calcium binding and microtubule stabilization. TPT1 is an immunoglobulin E dependent histamine-releasing factor produced by lymphocytes of atopic children and present in biologic fluids of allergic patients. TPT1 protein is similar to p23, a protein of Ehrlich ascites tumor cells, synthesized in the exponentially growing tumor. TPT1 is similar with IgE-dependent histamine releasing factor. TPT1 has a cell housekeeping function. TPT1 is involved in spermatogenesis and acts as a calcium binding protein of the human placenta that regulates calcium handling in trophoblast cells.

TPT1 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 197 amino acids (1-172 a.a) and having a molecular mass of 22.1kDa.

### Product Info

**Amount :** 5 µg / 20 µg

**Purification :** Greater than 90.0% as determined by SDS-PAGE.

**Content :** TPT1 protein solution (1mg/ml) containing Phosphate Buffered Saline, 10% glycerol And 1mM DTT.

**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MGSHMMIYR DLISHDELFS DIYKIREIAD GLCLEVEGKM VSRTEGAIDD SLIGGNASAE GPEGEGTEST VVTGVDIVMN HHLQETSFTK EAYKKYIKDY MKSLKGKLEE QKPERVKPFM TGAAEQIKHI LANFNQYQFF IGENMNPDM VALLDYREDG VTPFMIFKDG GLEMEKC.